

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

EXAMINER

ATTY. DOCKET NO.
COG-2-0980.02.US

SERIAL NO. 10/707,588

APPLICANT Tesfai et al.

DATE CONSIDERED

FILING DATE December 23, 2003 GROUP 2611

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF
INITIAL	4,121,221	10/1978	Meadows	CLASS	300CLA33	AFFROFRIKIE
	4,599,734	07/1986	Yamamoto			
	4,639,914	01/1987	Winters			-
	5,274,844	12/1993	Harrison et al.			
	5,394,435	02/1995	Weerackody			
	5,437,055	07/1995	Wheatley, III			
	5,457,808	10/1995	Osawa et al.			
	5,491,723	02/1996	Diepstraten			
	5,493,307	02/1996	Tsujimoto			
	5,507,035	04/1996	Bantz et al.			
	5,570,366	10/1996	Baker et al.			
	5,577,265	11/1996	Wheatley, III			
	5,610,617	03/1997	Gans et al.			
	5,752,173	05/1998	Tsujimoto			<u>. </u>
	5,761,193	06/1998	Derango et al.			
	5,761,237	06/1998	Petersen et al.			
	5,812,531	09/1998	Cheung et al.			
	5,848,105	12/1998	Gardner et al.			
	5,854,611	12/1998	Gans et al.			
	5,898,679	04/1999	Brederveld et al.			
	5,912,921	06/1999	Warren et al.			
	5,539,832	07/1999	Weinstein et al.			
• • • • • • • • • • • • • • • • • • • •	5,924,020	07/1999	Forssen et al.			
	5,930,248	07/1999	Langlet et al.			
	5,982,327	11/1999	Vook et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,008,760	12/1999	Shattil			
1	6,037,898	03/2000	Parish et al.			
	6,038,272	03/2000	Golden			
	6,044,120	03/2000	Bar-David et al.			
	6,058,105	05/2000	Hochwald et al.			
	6,091,934	07/2000	Berman et al.			
	6,097,771	08/2000	Foschini			
	6,118,788	09/2000	Kermani			,
	6,122,260	09/2000	Liu et al.			
	6,124,824	09/2000	Xu et al.			
	6,141,393	10/2000	Thomas et al.			
	6,141,567	10/2000	Youssefmir et al.			
	6,144,651	11/2000	Rinchiuso et al.			
	6,144,711	11/2000	Raleigh et al.			
	6,147,985	11/2000	Bar-David et al.			-
	6,157,340	12/2000	Xu et al.			
	6,157,843	12/2000	Derango et al.			
	6,177,906	01/2001	Petrus			
	6,185,440	02/2001	Barratt et al.			
	6,195,045	02/2001	Xu et al.			·
	6,211,671	04/2001	Shattil			
	6,252,548	06/2001	Jeon			
	6,252,884	06/2001	Hunter			
	6,266,528	07/2001	Farzaneh			
	6,295,026	09/2001	Chen et al.			
	6,298,092	10/2001	Heath, Jr.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,307,882	10/2001	Marzetta			
	6,317,466	11/2001	Foschini et al.			
	6,327,310	12/2001	Hochwald et al.			
	6,331,837	12/2001	Shattil	"		-
	6,023,625	02/2002	Myers Jr.			
	6,349,219	02/2002	Hochwald et al.			
	6,351,499	02/2002	Paulraj et al.			
	6,362,781	03/2002	Thomas et al.			
	6,369,758	04/2002	Zhang			
	6,370,182	04/2002	Bierly et al.			
	6,377,631	04/2002	Raleigh			
	6,377,636	04/2002	Paulraj et al.			
	6,377,819	04/2002	Gesbert et al.			
	6,400,699	06/2002	Airy et al.			
	6,400,780	06/2002	Rashid-Farrokhi et al.			
	6,442,214	08/2002	Boleskei et al.			
	6,462,709	10/2002	Choi			
	6,463,295	10/2002	Yun			
	6,473,467	10/2002	Wallace et al.			
	6,522,898	02/2003	Kohno et al.			
	6,549,786	04/2003	Cheung			
	6,570,929	05/2003	Eriksson			
	6,584,161	06/2003	Hottinen			.
	6,636,568	10/2003	Kadous			-
	6,646,600	11/2003	Vail et al.			
	6,684,064	01/2004	Kazakevich et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,687,492	02/2004	Sugar et al.			
*	6,728,517	04/2004	Sugar et al.			
	6,862,271	03/2005	Medvedev et al.			
	6,873,606	03/2005	Agrawal et al.			
	6,873,651	03/2005	Tesfai et al.			
	6,940,917	09/2005	Menon et al.			
	6,956,907	10/2005	Ketchum, John W.			
	2001/0012764	08/2001	Edwards et al.			
	2001/0015994	08/2001	Nam			
	2001/0046255	11/2001	Shattil			
	2001/0053143	12/2001	Li et al.			
	2002/0001316	01/2002	Hornsby et al.			
	2002/0024975	02/2002	Hendler			
	2002/0034191	03/2002	Shattil			
	2002/0039884	04/2002	Raynes et al.			
	2002/0064246	05/2002	Kelkar et al.			
	2002/0067309	06/2002	Baker et al.			
	2002/0072392	06/2002	Awater et al.			
	2002/0085643	07/2002	Kitchener et al.			
	2002/0102950	08/2002	Gore et al.			
	2002/0111142	08/2002	Klimovitch			
	2002/0118781	08/2002	Thomas et al.			
	2002/0122383	09/2002	Wu et al.			
	2002/0122501	09/2002	Awater et al.			
	2002/0127978	09/2002	Khatri			
	2002/0136170	09/2002	Struhsaker			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		DATE IF PRIATE
	2002/0141355	10/2002	Struhsaker et al.				
, ,	2002/0147032	10/2002	Yoon et al.				
	2002/0158801	10/2002	Crilly, Jr. et al.				
	2002/0159537	10/2002	Crilly, Jr.				
	2002/0172186	11/2002	Larsson				
	2002/0172269	11/2002	Xu				
	2002/0196842	12/2002	Onggosanusi et al.				
	2003/0002450	01/2003	Jalali et al.				
	2003/0022693	01/2003	Gerogiokas et al.				
	2003/0032423	02/2003	Boros et al.				
	2003/0048761	03/2003	Jarett				
	2003/0108117	06/2003	Ketchum et al.				
	2003/0114108	06/2003	Frecassetti et al.				
	2003/0125090	07/2003	Zeira				
	2003/0139194	07/2003	Onggosanusi et al.				
	2003/0157954	08/2003	Medvedev et al.				
	2003/0181165	09/2003	Sugar et al.				
	2004/0072546	04/2004	Sugar et al.				
	2004/0104839	06/2004	Valazquez et al.				
		FOREIGN PATEN	NT DOCUMENTS				
EXAMINER						TRANS	SLATION
INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	01/45300	06/2001	WO				
	02/03568	01/2002	WO				

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EXAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
	"BLAST High-Level Overview", Lucent Technologies, July 18, 2000.
	"Lucent's 'BLAST' Chips to Take Off in Wireless Market", EETimes.com, October 16, 2002.
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-	Golden et al., "V-BLAST: A High Capacity Space-Time Architecture for the Rich-Scattering Wireless Channel", Bell Laboratories, Lucent Technologies, Proc. Int'l Symposium on Advanced Radio Technologies, Boulder, CO, September 10, 1998.
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	Irmer et al., "MISO Concepts for Frequency-Selective Channels", 2002 International Zurich Seminar on Broadband Communications Access, February 19-21, 2002.
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*	Li et al., "Adaptive Antenna Arrays For OFDM Systems With Cochannel Interference", IEEE Transactions On Communications, Vol. 47, No. 2, pp. 217-229, (February 1999).
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		Vaidyanathan et al., "The Role In Lossless Systems in Modern Digital Signal Processing: A Tutorial", IEEE Transactions on Education, Vol. 32, August 1989, pp. 181-197.
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